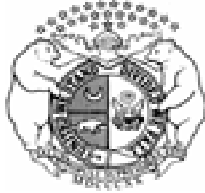


STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No.	MO-0000591
Owner:	ELT Mexico, LLC
Address:	1650 Des Peres Rd, Suite 303, St. Louis, MO 63131
Continuing Authority:	Same as above
Address:	Same as above
Facility Name:	ELT Mexico, LLC
Address:	Green Boulevard, Mexico, MO 65265
Legal Description:	See page 2
Receiving Stream:	Unnamed Tributary to South Fork Salt River (U)
First Classified Stream and ID:	South Fork Salt River (C) (00142)
USGS Basin & Sub-watershed No.:	(07110006-040003)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

See page 2

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

<u>November 14, 2003</u>	<u>July 27, 2006</u>
Effective Date	Revised Date



Doyle Childers, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

<u>November 13, 2008</u>
Expiration Date
MO 780-0041 (10-93)

Edward Galbraith, Director of Staff, Clean Water Commission

LEGAL DESCRIPTION

Outfalls #001, #011 - #015

NW ¼, NE ¼, Sec 36, T51N, R9W, Audrain County

Outfalls #003, #005, and #010

SW ¼, SE ¼, Sec. 25, T51N, R9W, Audrain County

Outfalls #004

NW ¼, SE ¼, Sec. 25, T51N, R9W, Audrain County

Outfalls #006, #008, #016, and #017

NE ¼, NW ¼, Sec. 36, T51N, R9W, Audrain County

Outfalls #009

NW ¼, NE ¼, Sec. 36, T51N, R9W, Audrain County

Outfalls #018 - #019 – Are currently inactive / flows are sampled at Outfall #025

SW ¼, NE ¼, Sec. 36, T51N, R9W, Audrain County

Outfalls #020 - #023 – Are currently inactive / flows are sampled at Outfall #025

SE ¼, NW ¼, Sec. 36, T51N, R9W, Audrain County

Outfalls #024

NE ¼, NE ¼, Sec. 36, T51N, R9W, Audrain County

Outfalls #025

SE ¼, NW ¼, Sec. 36, T51N, R9W, Audrain County

FACILITY DESCRIPTION (continued)

Manufacturing operations are inactive at this facility. Current activities are machine shop operations and shipping of materials and equipment.

Outfall #001 –Clay Refractory/Process Wastewater – SIC #3255

Settling basin/process water/cooling water/stormwater runoff

Actual flow is dependent upon rainfall.

Outfall #003, #006, #008 - #017, and #025 – Clay Refractory – SIC #3255

Storm water runoff.

Actual flow is dependent upon rainfall.

Outfall #004 – Clay Refractory/Cooling Water – SIC #3255

Settling basin/cooling water/stormwater runoff

Actual flow is dependent upon rainfall.

Outfall #005 – Sanitary – SIC #4952

Aerated septic tank/chlorination/sludge disposal is by contract hauler.

Design flow is 1,250 gallons per day.

Actual flow is 145 gallons per day.

Design sludge production is 0.14 dry tons per year.

Outfall #024 – Clay Refractory/Rail Loading Facility – SIC#3255

Stormwater runoff

Actual flow is dependent upon rainfall.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 3 of 6	
PERMIT NUMBER MO-0000591						
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfall #001</u>						
Flow	MGD	*		*	once/quarter**	24 hr. estimate
Settleable Solids	mL/L/hr	2.0		1.0	once/quarter**	grab
Total Suspended Solids	mg/L		45	30	once/quarter**	grab
Oil & Grease	mg/L	15		10	once/quarter**	grab
pH – Units	SU	***		***	once/quarter**	grab
Temperature (Note 2)	°C	*		*	once/quarter**	grab
<u>Outfalls #003, #006, #008 - #017, #024, and #025</u>						
Flow	MGD	*		*	once/quarter**	24 hr. estimate
Oil & Grease	mg/L	15		10	once/quarter**	grab
Settleable Solids	mL/L/hr	2.0		1.0	once/quarter**	grab
pH – Units	SU	***		***	once/quarter**	grab
<u>Outfall #004</u>						
Flow	MGD	*		*	once/quarter**	24 hr. estimate
Settleable Solids	mL/L/hr	2.0		1.0	once/quarter**	grab
Total Suspended Solids	mg/L		45	30	once/quarter**	grab
Oil & Grease	mg/L	15		10	once/quarter**	grab
pH – Units	SU	***		***	once/quarter**	grab
Temperature (Note 2)	°C	*		*	once/quarter**	grab
<u>Outfall #005</u>						
Flow	MGD	*		*	once/quarter**	24 hr. estimate
Biochemical Oxygen Demand ₅	mg/L		45	30	once/quarter**	grab
Total Suspended Solids	mg/L		45	30	once/quarter**	grab
Total Residual Chlorine (Note 1)	mg/L	1.0		1.0	once/quarter**	grab
pH – Units	SU	***		***	once/quarter**	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>January 28, 2004</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Parts I & III</u> STANDARD CONDITIONS DATED <u>October 1, 1980 and August 15, 1994</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- * Monitoring requirement only.
- ** Sample once per quarter in the months of March, June, September, December.
- *** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.

Note 1 - This permit contains a Total Residual Chlorine (TRC) limit.

- (a) If the TRC limit in this permit is 0.01 mg/L or 0.2 mg/L, you must use an analytical method that has a quantification limit of no greater than 0.05 mg/L TRC. For reporting purposes on the discharge monitoring report (DMR), all analytical values below 0.05 mg/L shall be reported as "< 0.05 mg/L." All analytical values at or above the quantification limit of 0.05 mg/L shall be reported as the measured value. The permittee shall report the quantification limit in the remarks section of the DMR.

The average monthly effluent values for TRC will be determined by assuming that analytical results below the quantification limit are equivalent to 0 mg/L when calculating the monthly average.

The daily effluent value will be considered equal to 0 mg/L if it is below the quantification limit.

- (b) If the TRC limit in this permit is 1.0 mg/L; you must use an analytical method with a quantification limit between 0.2 and 0.5 mg/L. All analytical values below the quantification limit shall be reported as "< quantification limit." All analytical values at or above the quantification limit shall be reported as the measured value.

The average monthly effluent values for TRC will be determined by assuming that analytical results below the quantification limit are equivalent to 0 mg/L when calculating the monthly average.

The daily effluent value will be considered equal to 0 mg/L if it is below the quantification limit.

- (c) Do not chemically dechlorinate if it is not needed to meet the limits in your permit.
- (d) If no chlorine was used in a given sampling period, an actual analysis is not necessary. Simply report as "0 mg/L" TRC.

Note 2 - Effluent shall not elevate or depress the temperature of the receiving stream beyond the mixing zone more than five (5°)F. The stream temperature beyond the mixing zone shall not exceed ninety (90°)F due to the effluent.

C. SPECIAL CONDITIONS

1. This permit may be reopened and modified, or alternatively revoked and reissued, to:
 - (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) controls any pollutant not limited in the permit.
 - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
 - (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

2. All outfalls must be clearly marked in the field.
3. Permittee will cease discharge by connection to areawide wastewater treatment system within 90 days of notice of its availability.
4. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
 - (1) One hundred micrograms per liter (100 µg/L);
 - (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
 - (4) The level established in Part A of the permit by the Director.
 - (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.
5. Report as no-discharge when a discharge does not occur during the report period.
 6. Sludge and Biosolids Use For Domestic Wastewater Treatment Facilities
 - (a) Permittee shall comply with the pollutant limitations, monitoring, reporting, and other requirements in accordance with the attached permit Standard Conditions.
 - (b) If sludge is not removed by a contract hauler, permittee is authorized to land apply biosolids. Permit Standard Conditions, Part III shall apply to the land application of biosolids. Permittee shall notify the department at least 180 days prior to the planned removal of biosolids. The department may require submittal of a biosolids management plan for department review and approval as determined appropriate on a case-by-case basis.

C. SPECIAL CONDITIONS (continued)

7. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
- (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
 - (e) There shall be no significant human health hazard from incidental contact with the water;
 - (f) There shall be no acute toxicity to livestock or wildlife watering;
 - (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.